SAMSUNG SA 18-250mm F3.5~6.3

Thank you for buying a SAMSUNG lens.
This user's manual will guide you through using the lens.
Please read this manual carefully before using the lens.

Before use

Thank you for purchasing the SAMSUNG lens.
Using the SAMSUNG lens, you can finely adjust the focus (manually and automatically).
SAMSUNG lens can be used only with the SAMSUNG DSLR (Digital single-lens reflex) cameras.
It is not compatible with the film SLR cameras.
Please read this operating manual carefully before using the lens to ensure that it is used properly. In addition, also refer to your camera's operating manual.

- Illustrations shown herein may differ from the actual appearance.

For safe use of your lens

Please pay special attention to items marked with the following symbols when using this product.

Warning	This symbol indicates precautions that if not followed, could result in serious injury to the user
Caution	This symbol indicates precautions that if not followed, could result in minor or medium injury to the user or damage to the equipment

Warning

- Never look at the sun through the lens or camera.

  Serious damage to the retina or total loss of eyesight may occur.

Caution

- Do not leave the lens in direct sunlight without lens caps.

  Direct sunlight passing through the lens will be intensified, and should it focus on flammable materials, fire may occur.

Precautions and lens maintenance

1. Storage and mildew prevention
- Take the lens out of the protective case or camera bag, and store it in a dry, well-ventilated place.
- Avoid storing the lens in a poorly ventilated location such as a closet, wardrobe, drawer, vehicle, or where insect repellent or medicine is kept.
- Avoid storing the lens in areas of high temperature and humidity, where there is a risk of mildew growth. Store the lens with a desiccant in a dry cabinet, airtight container, or plastic bag.
  (Leaving a saturated desiccant in the storage container can cause damage to the lens. Be sure to read the instructions that come with the desiccant before use.)

2. The lens is not waterproof. When using the lens in a rain or mist, be careful not to allow it to get wet.

3. Never use any organic solvent such as thinner, alcohol, or benzine, etc. to remove dust on the lens.

4. The lens is a precise optical instrument. Be careful not to let it fall, or subject it to strong shocks or pressure. Use a cushion or similar pad to protect the lens from the vibrations of motorcycles or other vehicles, boats, etc.

5. Avoid subjecting the lens to rapid changes in temperature, otherwise condensation can occur on both the inside and the outside of the lens. Put the lens in a plastic bag or camera bag, and take it out after the lens has reached ambient temperature.

6. When the lens is not attached to the camera body, attach both the supplied lens cap and lens mountcap to protect it from dust.

7. Do not leave the camera with the lens cap off attached to a tripod or other rigid camera support. The inner parts of the camera can be damaged by direct sunlight.

8. Have the lens inspected by a dealer every one or two years to maintain its high performance.

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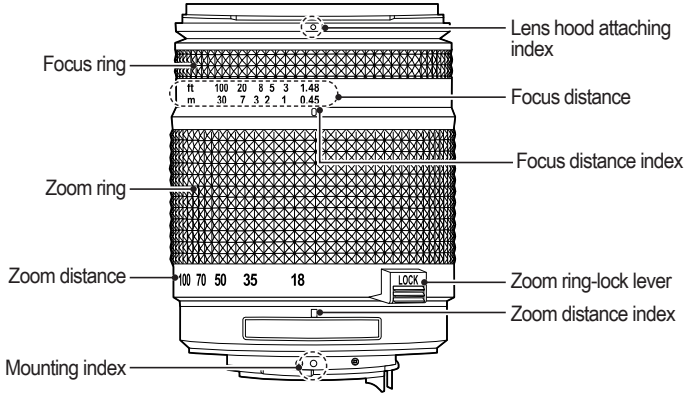
Names of working parts

Lens



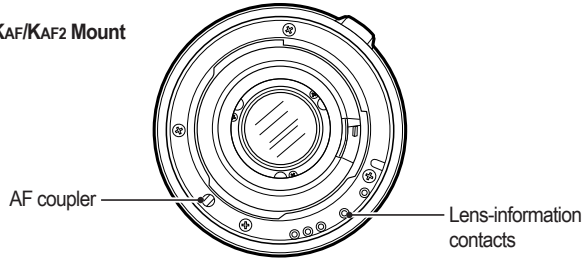
SAMSUNG 18~250mm lens does not have an aperture ring.

Names of working parts

About the lens mount

The SAMSUNG SA 18~250mm F3.5~6.3 lens is an interchangeable lens specifically designed for the SAMSUNG DSLR(Digital Single Lens Reflex) cameras.
The KAF/KAF2 mount of the SAMSUNG lens is similar to conventional DSLR(Digital Single Lens Reflex) lenses, but the lens cannot be used on 35mm SLR cameras.

KAF/KAF2 Mount

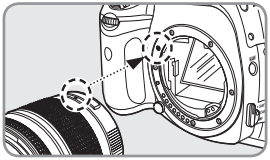


Be careful not to damage or dirty the lens-information contacts and AF coupler on the mount surfaces of the camera and lens. Otherwise, failure or malfunction may occur.

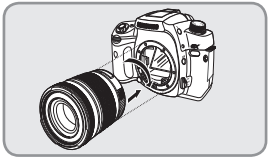
Mounting and removing the lens

1 To mount the lens on the camera body

Attach the lens while aligning the red dots on the lens and body, then turn the lens clockwise until it clicks in place.

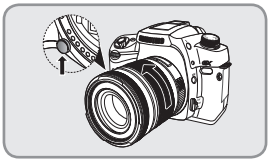


- Do not hold down the lens unlock button while mounting the lens, otherwise the lens will not be properly mounted.
- After mounting the lens, gently turn the lens counter-clockwise to make sure it is locked in place.



2 To remove the lens

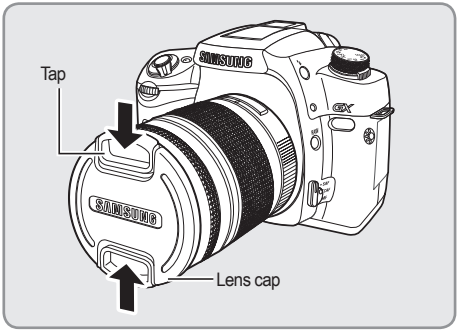
Hold down the lens unlock button on the camera body and turn the lens counter-clockwise.



Lens cap

Removing the lens cap

Take off the lens cap by pressing the two tabs inward as shown above.



When not using the lens, be sure to attach the lens cap.

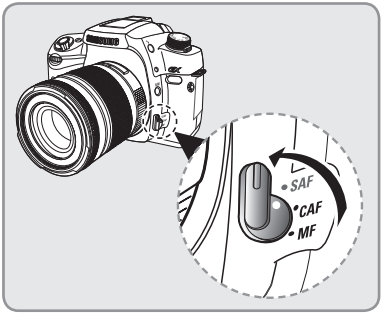
Focusing

Changing the focus mode

Use the camera's focus mode switch to change between the auto focus (SAF, CAF) mode and manual focus mode. For details, refer to your camera's manual

1 Using the AF(Auto Focusing) function

- Set the camera's focus mode to autofocus (**AF SAF/CAF**).
- Press the shutter button halfway to focus.



Focusing

■ Focusing with the OK Button

With the GX-1S/1L camera, the **OK** button can be used instead of pressing the shutter button halfway.
To use this function, select [**Enable AF**] for [**OK btn when shooting**] in the [**C Custom menu**].

■ Focusing with the AF Button

With the GX-10/GX-20 camera the **AF** button can be used instead of pressing the shutter button halfway.
To use this function, select [**Enable AF**] for [**AF Button Function**] in the [**CUSTOM1 MENU**] menu.

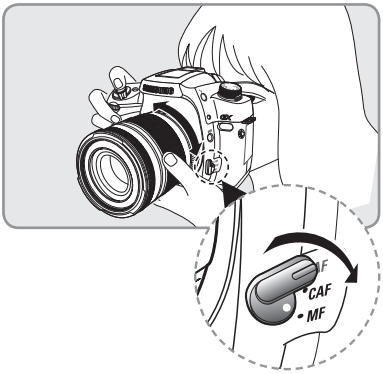
For details on the setting procedure, refer to the camera's instruction manual.

Do not touch the focusing ring during auto-focusing, adjusting the focus while using the AF(Auto Focusing) function may cause the malfunction of the product.

Focusing

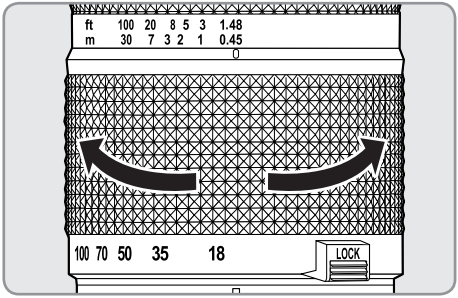
2 Using Manual Focus

Set to **MF** with the camera's focus mode, and turn the focusing ring to focus manually.

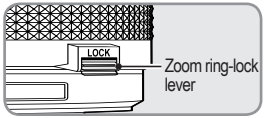


Zoom ring

Turn the zoom ring clockwise for telephoto and counterclockwise for wide-angle. The zoom lens has a focusing ring at the front and a zoom ring behind it. Turn the zoom ring to set the desired angle of view (lens focal length).



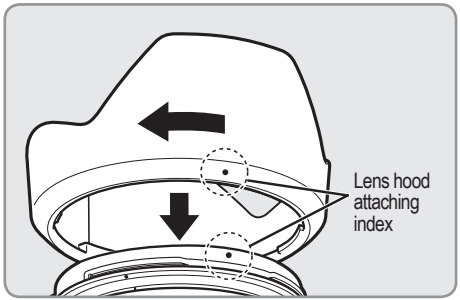
- The focusing point may shift slightly by changing the focal length. First adjust the zoom and then adjust focus.
- You can fix the focal length of the lens by using the LOCK button of the zoom ring. Turning the zoom ring is not available when the LOCK button is used.



Attaching the lens hood

In order to avoid the deterioration in image quality from internal reflection, use of the lens hood is recommended.

When attaching the lens hood, align the index on the lens hood with the attaching index on the lens, and push both parts straight toward each other. Attach the lens hood on the lens by turning the hood in the clockwise direction to lock it as viewed from the front of the lens until it clicks into position.



- When attaching the lens hood, hold the focus ring and zoom ring securely to prevent them from turning.
- When the lens hood is not in use, it can also be turned around and attached in the reversed position.

Filters

Make sure the filter size matches the lens and then attach the filter onto the lens.

The compatible filter sizes for all the lenses are listed on pages 16.

- Since the filter becomes a part of the optics when attached on the lens, handle it in the same way you handle the lens with care to dust, dirt and scratches. Normally, attaching two or more filters on a lens is not recommended. However, attaching a circular polarizing filter and another filter would not be a problem.
- Do not use filters at the same time. It may cause a decrease in image quality and vignetting.
- If you use a wide angle lens and the filter frame is thick, the vignetting may happen.

What is **Vignetting**?

In photography, vignetting is a reduction of an image's brightness or saturation at the periphery compared to the image center. You can also see the vignetting when attaching the filters or converters to the lens because doing so may reduces the angle of view.

Precautions when using the lens with a flash

Built-in flash

When the flash is used for too close distance, the incorrect exposure control and vignetting in the picture may occur. It is recommended to take a test shot before using the built-in flash.

- The built-in flash may be blocked by the lens hood. Always make sure to remove the lens hood before using the built-in flash.

Specifications

Lens	SAMSUNG SA 18-250mm F3.5~6.3
Focal length	18 ~ 250mm (27.5 ~ 383mm, compared to the 35mm format)
Usable camera	SAMSUNG DSLR(Digital Single Lens Reflex) cameras
Elements in groups	13 groups, 16 elements
Angle of view	76°~ 6.5°
Aperture	F3.5-6.3 (Min. F22-45), (Number of Blades : 7)
Mount type	PENTAX KAF/KAF2 Mount
Minimum focus distance	0.45m
Maximum magnification	Approx. 0.28X
Lens hood	SCH-A62
Filter size	62mm
Max. diameter x length	75 x 85.5mm
Weight	458g (without hood)
Operating temperature	0 ~ 40°C
Operating humidity	5 ~ 85%

• Specifications are subject to change without prior notice.

• All trademarks are the property of their respective owners.

For customers in USA

STATEMENT OF FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
  Increase the separation between the equipment and receiver.
  Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  *Consult the dealer or an experienced radio/TV technician for help.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Réglement sur le matériel brouilleur du Canada.

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Please refer to the warranty that came with your product or go to our website http://www.samsungcamera.com/ for after-sales service or inquiries.

The CE Mark is a Directive conformity mark of the European Community (EC)

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